Report

on

Activities Implemented, Lessons Learnt and Recommendations

concerning

UNEP Institutional Strengthening Project 1-Day Workshop

for

Practitioners in the RAC Industry

on

- Introduction to Natural Refrigerants and their Properties.
- Natural Refrigerant Cooling Systems.
- Proper Maintenance and Servicing Practices

held

June 23, 2023 at the Marriott Hotel

by

Earle Wilson, PhD - Trainer

Introduction:

Report on the workshop held for practitioners in the Refrigeration and Air Conditioning (RAC) sector on June 23, 2023, at the Courtyard by Marriott Hotel, New Kingston.

Background

Jamaica, being a Signatory to the Montreal Protocol on Substances that Deplete the Ozone Layer is obligated to phase out all ozone-depleting substances (ODS) controlled under the Protocol. In executing this mandate and recognizing that the refrigeration and air-conditioning sector (RAC) is the largest consumer of these substances, Jamaica seeks to provide technological support to the RAC service industry by developing the capacity of this sector to transition from the use of Hydrochlorofluorocarbons (HCFCs) to alternatives, particularly natural refrigerants.

ACTIVITIES IMPLEMENTED

Morning Session (9 am - 12 noon)

- Introduction and Welcome
- Pre-course quiz /assessment
- Impacts of Montreal and Kyoto Protocols on the RAC Industry
- Introduction of Natural Refrigerants and their Properties
- Natural Refrigerant Cooling Systems

Lunch (12 noon - 1:30 pm)

Afternoon Session (1:30 pm – 5 pm)

- RAC Practical-Refrigerant Identification
- Proper Maintenance and Servicing Practices
- Post-course quiz/assessment

Adjournment

The Participants

Most of the participants were from the supply and services areas of the industry. The majority showed a willingness to participate in further training. They all indicated the need to have updated equipment to navigate the changes occurring in the industry.

Lessons Learned

The following are general lessons learnt from conducting the workshop:

- Workshops such as this help to spread the news of the phase-out of HCFCs by 2030 in Jamaica. Too many practitioners are unaware of this issue
- Long-term storage of recovered HCFCs is of concern to the practitioners
- The need for the right Equipment to handle New and Emerging refrigerants is of concern
- Evaluation of each workshop is a worthwhile exercise to pursue
- Participants welcome the practical exercise

Recommendations

The following are recommendations to assist the objectives of the HPMP:

- The proposed Island-Wide Recovery & Storage system for HCFCs needs to be implemented ASAP.
- The delivery of Equipment to aid RAC practitioners needs to be fast-tracked.
- More practical exercises with updated Equipment should be encouraged at all workshops.

APPENDICES

Appendix 1: REGISTER





Astional Environment and Planning Agency UNITED NATIONS ENVIRONMENT PROGRAMME INSTITUTIONAL STRENGTHENING PROJECT (PHASE X) Natural Refrigerants Training Workshop Attendance Register Date: 23.]

Venue: Courtyard Marriott Hotel, 1 Park Close, Kingston 5

Date: 23 June 2023

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		S. Kidut	M	J. Cardner		केनुने	P. Harriffen	N	Alderts	Signature	Date: 23 June 2023

APPENDIX 2: Pre and Post Tests Results									
	Names	Company Name	Contact	E-Mail	Pre	Post			
					Test	Test			
1	Marlon Miller	Self-Employed	803-4010	millermarian51@gmail.com	2/12	3/12			
2	Gianne Shackleford	High Tech AC Ltd	787-4434	hightech2023@hotmsil.com	7/12	3/12			
3	Jason Gardner	CAC2000 Ltd	895-0227	jgardener@cac2000ltd.com	5/12	4/12			
4	Michael Mantle	Geddes Refrigeration	548-5944	mmantle@grlja.com	5/12	6/12			
		Ltd							
5	Andre Edwards	NEPA	754-7540	andre.edwards@nepa.gov.jm	-	-			
6	Jenoi Brown	CAC2000 Ltd	656-9200	jwilson@cac2000ltd.com	11/12	11/12			
7	Petricia Hamilton	NEPA	481-3776	pretriciahamilton@nepa.gov.	-	-			
				jm					
8	Anthony Telfa	Wisynco	468-2753	tellyy45@gmail.com	5/12	7/12			
9	Julian Burey	Geddes Refrigeration	322-7414	jburey@grlja.com	6/12	8/12			
		Ltd							
10	Matthew Finnikin	Geddes Refrigeration	923-6822	mfinnikin@grlja.com	6/12	9/12			
		Ltd							
11	Kevin Young	MBJ @ Sangster	206-8799	kevinyoungjp@gmail.com	4/12	10/12			
		International Airport							
12	Trudy-Ann Johnson	Denn Dock Ltd	564-7544	trudyjohnson17@yahoo.com	1/12	9/12			
13	Keith Fendison	Caribbean Boilers	504-3672	keithfendi@yahoo.com	3/12	8/12			